



STIC Search Report

EIC 3700

STIC Database Tracking Number: 148859

TO: Paul Durand
Location: RND 5b79
Art Unit: 3721
Tuesday, April 05, 2005

Case Serial Number: 10/743169

From: Emory Damron
Location: EIC 3700
CP2-2C08
Phone: 305-8587

Emory.Damron@uspto.gov

Search Notes

Dear Paul,

Please find below an inventor search in the bibliographic and full-text foreign patent files, as well as keyword searches in the patent and non-patent literature files, both bibliographic and full text.

References of potential pertinence have been tagged, but please review all the packets in case you like something I didn't.

Of those references which have been tagged, please note any manual highlighting I've done within the text of the document(s).

In addition to searching on Dialog, I also searched Google.com, EPO/JPO/Derwent, Google and Google Catalogs.

There are a few decent references contained herein, but I'll let you determine how useful they may be to you.

Please contact me if I can refocus or expand any aspect of this case, and please take a moment to provide any feedback (on the form provided) so EIC 3700 may better serve your needs. Good Luck!

Sincerely,

Emory Damron

Technical Information Specialist

EIC 3700, US Patent & Trademark Office

Phone: (571)272-3520/Fax: (571) 273-0047

Emory.damron@uspto.gov



Set	Items	Description
S1	198982	COMBUST?() (ENGINE? OR POWER? OR CHAMBER?) OR (SPARKPLUG? OR SPARK() PLUG? OR IGNIT?()) (ENGINE? OR POWER?)
S2	201686	(TOOL? OR GUN OR GUNS OR APPARAT? OR DEVIC? OR APPLIANC? OR EQUIPMENT? OR DRIVER?) (3N) (NAIL? OR BOLT? OR TACK? OR PNEUMA-T? OR POWER? OR HAMMER? OR PERCUSS? OR IMPACT? OR STAPL?)
S3	162354	(TOOL? OR GUN OR GUNS OR APPARAT? OR DEVIC? OR APPLIANC? OR EQUIPMENT? OR DRIVER?) (3N) (JACKHAMMER? OR PISTON? OR AIR OR -FASTENER? OR SCREW? OR BRAD? OR RIVET? OR STRIKE? OR PIN OR P-INS)
S4	1734	NAILGUN? OR STAPLEGUN? OR AIRGUN? OR AIRTOOL? OR (PORTABLE OR HANDHELD OR HAND()HELD) () (GUN OR GUNS OR TOOL?) OR (BRAD? -OR TACK?) () NAILER?
S5	167277	COMPRESSOR? OR COMPRESSER? OR PRECOMPRESS? OR PRE()COMPRES-S? OR COMPRESS?() (APPARAT? OR DEVIC? OR MEANS? OR APPLIANC? OR IMPLEMENT? OR INSTRUMENT?)
S6	668463	(ELECTRIC? OR ELECTRONIC? OR ELECTRICAL?) (2N) (POWER? OR GE-NERAT? OR OUTLET? OR SOURC? OR CELL? OR DRIVE?)
S7	841173	BATTERY? OR BATTERIE? OR CAPACITOR? OR CAPACITER? OR (FUEL? OR DRY OR POWER?) ()CELL? OR POWER() (SOURCE? OR OUTLET? OR GE-NERAT?)
S8	619109	PISTON? OR DISPLAC?
S9	2197233	ONBOARD? OR ON()BOARD? OR INTEGRA? OR ALL(2W)ONE OR INTERN-AL? OR COMBINED OR COMBINATION
S10	2860052	AIR OR OXIDAT? OR FUEL? OR PROPAN? OR GAS OR GASES OR GASS-ES
S11	2494978	STORAGE? OR STORING? OR RESERVOIR? OR CHAMBER? OR RECEPTAC? OR TANK?
S12	1451928	HOUSING? OR CASING? OR ASSEMBLY?
S13	131340	IC=(B25C? OR F02B? OR B27F? OR B21J? OR F01B? OR B25D?)
S14	9185	S1 AND S2:S4
S15	397	S14 AND S5
S16	90	S15 AND S6:S7
S17	90	S16 AND S8:S13
S18	90	S16:S17
S19	90	IDPAT (sorted in duplicate/non-duplicate order)
? show files		
File 347:JAPIO Nov 1976-2004/Nov(Updated 050309)		
(c) 2005 JPO & JAPIO		
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200521		
(c) 2005 Thomson Derwent		
?		

Set	Items	Description
S1	198982	COMBUST?() (ENGINE? OR POWER? OR CHAMBER?) OR (SPARKPLUG? OR SPARK() PLUG? OR IGNIT?()) (ENGINE? OR POWER?)
S2	201686	(TOOL? OR GUN OR GUNS OR APPARAT? OR DEVIC? OR APPLIANC? OR EQUIPMENT? OR DRIVER?) (3N) (NAIL? OR BOLT? OR TACK? OR PNEUMA-T? OR POWER? OR HAMMER? OR PERCUSS? OR IMPACT? OR STAPL?)
S3	162354	(TOOL? OR GUN OR GUNS OR APPARAT? OR DEVIC? OR APPLIANC? OR EQUIPMENT? OR DRIVER?) (3N) (JACKHAMMER? OR PISTON? OR AIR OR - FASTENER? OR SCREW? OR BRAD? OR RIVET? OR STRIKE? OR PIN OR P- INS)
S4	1734	NAILGUN? OR STAPLEGUN? OR AIRGUN? OR AIRTOOL? OR (PORTABLE OR HANDHELD OR HAND() HELD) () (GUN OR GUNS OR TOOL?) OR (BRAD? - OR TACK?) () NAILER?
S5	167277	COMPRESSOR? OR COMPRESSER? OR PRECOMPRESS? OR PRE() COMPRES-S? OR COMPRESS?() (APPARAT? OR DEVIC? OR MEANS? OR APPLIANC? OR IMPLEMENT? OR INSTRUMENT?)
S6	668463	(ELECTRIC? OR ELECTRONIC? OR ELECTRICAL?) (2N) (POWER? OR GE-NERAT? OR OUTLET? OR SOURC? OR CELL? OR DRIVE?)
S7	841173	BATTERY? OR BATTERIE? OR CAPACITOR? OR CAPACITER? OR (FUEL? OR DRY OR POWER?) () CELL? OR POWER() (SOURCE? OR OUTLET? OR GE-NERAT?)
S8	619109	PISTON? OR DISPLAC?
S9	2197233	ONBOARD? OR ON() BOARD? OR INTEGRA? OR ALL(2W)ONE OR INTERN-AL? OR COMBINED OR COMBINATION
S10	2860052	AIR OR OXIDAT? OR FUEL? OR PROPAN? OR GAS OR GASES OR GASS-ES
S11	2494978	STORAGE? OR STORING? OR RESERVOIR? OR CHAMBER? OR RECEPTAC? OR TANK?
S12	1451928	HOUSING? OR CASING? OR ASSEMBLY?
S13	131340	IC=(B25C? OR F02B? OR B27F? OR B21J? OR F01B? OR B25D?)
S14	9185	S1 AND S2:S4
S15	397	S14 AND S5
S16	90	S15 AND S6:S7
S17	90	S16 AND S8:S13
S18	90	S16:S17
S19	90	IDPAT (sorted in duplicate/non-duplicate order)
S20	357026	S2:S4
S21	1751	S20 AND S5 AND S6:S7
S22	72	S21 AND S13
S23	20	S22 AND S1
S24	72	S22:S23
S25	52	S24 NOT S18
S26	52	IDPAT (sorted in duplicate/non-duplicate order)
	?	

*extended
supplemental
search
probe*

26/3,K/8 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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016338945 **Image available**

WPI Acc No: 2004-496842/200447

XRPX Acc No: N04-392134

Portable pneumatic tool - powered by an onboard compressor for
driving a fastener into a workpiece

Patent Assignee: JANG L (JANG-I)

Inventor: JANG L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
TW 570864	A	20040111	TW 2001112173	A	20010517	200447 B

✓
DATE

Priority Applications (No Type Date): TW 2001112173 A 20010517

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
TW 570864	A		B25C-001/04	

Portable pneumatic tool - ...

...powered by an onboard compressor for driving a fastener into a
workpiece

Abstract (Basic):

... Disclosed is a portable pneumatic tool for driving a
fastener into a workpiece, including: a frame; a power source ; a
compressor and an electromotive motor provided on the frame, the motor
being powered by the power source and the compressor driven by
the motor; a compressed air storage chamber in communication with the
compressor for storing compressed air from the compressor ; a
receiving chamber formed inside the frame; a driving piston received in
the storage chamber...

...Title Terms: COMPRESSOR ;

International Patent Class (Main): B25C-001/04

26/3,K/15 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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Good!

015167607 **Image available**
WPI Acc No: 2003-228135/200322
XRPX Acc No: N03-181397

Hand-held fastening tool for driving fastener into workpiece, has trigger valve assembly operable to release stored compressed air from compressed air reservoir into chamber

Patent Assignee: PORTER-CABLE/DELTA (PORT-N); BARRY P G (BARR-I); HARR D L (HARR-I); JONES J L (JONE-I); LAGALY M A (LAGA-I); PATTON J A (PATT-I)

Inventor: BARRY P G; HARR D L; JONES J L; LAGALY M A; PATTON J A

Number of Countries: 099 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020158102	A1	20021031	US 2001286998	P	20010430	200322 B
			US 2002356755	P	20020215	
			US 2002114237	A	20020403	
WO 200287831	A2	20021107	WO 2002US13510	A	20020430	200322
AU 2002259070	A1	20021111	AU 2002259070	A	20020430	200433

Priority Applications (No Type Date): US 2002114237 A 20020403; US 2001286998 P 20010430; US 2002356755 P 20020215

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020158102	A1		49	B25C-001/04	Provisional application US 2001286998

Provisional application US 2002356755

WO 200287831 A2 E B25F-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

AU 2002259070 A1 B25C-001/04 Based on patent WO 200287831

Hand-held fastening tool for driving fastener into workpiece, has trigger valve assembly operable to release stored compressed air from compressed air...

Abstract (Basic):

... A **compressor** connected with a compressed air reservoir and an electric motor are held into the **brad nailer** body (10). A trigger valve assembly is operable to release stored compressed air from the...
... 2) Method of performing a task with a hand-held **pneumatic tool** ;
(...)

...3) Portable **pneumatic tool** system...

...4) Method of using a portable **pneumatic tool** system...

...6) **Battery** powered, hand-held/**pneumatic** fastening **tool** .
...

...For **pneumatic tools** e.g. **pneumatic fastener**, metal piercing tools , crimping tools, etc...

...Ensures smooth operation, as reduction gear set transfers **power** from **electric** motor to the **compressor**, with minimal loss of power and generates little noise and vibration. Minimizes overall weight of **brad nailer** body...

...The figure shows left side view of cordless **brad nailer**.

... **Brad nailer** body (10...

... **Compressor cover** (110...

... **Battery** (300

International Patent Class (Main): **B25C-001/04** ...

26/3, K/35 (Item 35 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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008631117 **Image available**

WPI Acc No: 1991-135147/199119

XRPX Acc No: N91-103809

Pneumatic tool with self-contained power supply - has container of compressed gas of air attached directly to tool

Patent Assignee: SCHALL O (SCHA-I)

Inventor: SCHALL F; SCHALL O

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2651299	A	19910301	FR 8911412	A	19890829	199119 B

Priority Applications (No Type Date): FR 8911412 A 19890829

Pneumatic tool with self-contained power supply...

...has container of compressed gas of air attached directly to tool

...Abstract (Basic): The pneumatic tool with a self-contained power supply, e.g. a stapler, screwdriver or hammer, has a...

...rechargeable through an agency under an exchange system, or rechargeable from a special high-pressure compressor through an adapter valve (3

...

...ADVANTAGE - More convenient to use in wide variety of situations, needing no direct connection to power source . (6pp Dwg.No.1/2)

...International Patent Class (Additional): B25C-005/13

26/3,K/36 (Item 36 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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008137348 **Image available**
WPI Acc No: 1990-024349/199004
XRPX Acc No: N90-018625

Battery powered portable crimping appts. - uses cam driven by lever
from nut on actuator shaft to place constant torque on motor through
crimping cycle

Patent Assignee: AMP INC (AMPI); WHITAKER CORP (WHIT-N)

Inventor: HATFIELD J G

Number of Countries: 009 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 351962	A	19900124	EP 89306365	A	19890623	199004	B
JP 2075183	A	19900314	JP 89188667	A	19890720	199017	
US 4932237	A	19900612	US 88222654	A	19880721	199031	
CN 1039369	A	19900207				199045	
CA 1317744	C	19930518	CA 603876	A	19890626	199325	
EP 351962	B1	19940309	EP 89306365	A	19890623	199410	
DE 68913611	E	19940414	DE 613611	A	19890623	199416	
			EP 89306365	A	19890623		

Priority Applications (No Type Date): US 88222654 A 19880721

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 351962 A E 11

Designated States (Regional): DE FR GB IT NL

EP 351962 B1 E 16 H01R-043/042

Designated States (Regional): DE FR GB IT NL

DE 68913611 E H01R-043/042 Based on patent EP 351962

CA 1317744 C B25B-028/00

Battery powered portable crimping appts...

...Abstract (Basic): crimping anvil (32), jaws and ram (42) driven by an actuator (16). The actuator is **driven** by an **electric** motor (18) **powered** by a **battery** (20). The prepared cables and terminal, are inserted into the dies held open by a...

...places a constant torque requirement on the motor during the entire crimping cycle thereby conserving **battery** energy...

...Abstract (Equivalent): An **electrically powered compressing device** (10), for a terminal crimping tool, said device having a frame (22,23), a ram...

Title Terms: **BATTERY** ;

International Patent Class (Additional): **B21J-009/18** ...

26/3,K/37 (Item 37 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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Good!

007821378 **Image available**
WPI Acc No: 1989-086490/198912
XRPX Acc No: N89-065920

Compressed air impact hammer - has built in electric motor and compressor for lightness and ease of carrying
Patent Assignee: BOSCH GMBH ROBERT (BOSC)
Inventor: BLOCHLE H; BUCK M; FEHRLE S; HOLZEL M; KABATNIK W; SCHMID W;
WANNER K; BLOECHLE H; HOELZEL M

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3728454	A	19890316	DE 3728454	A	19870826	198912 B
DE 3728454	C2	19931223	DE 3728454	A	19870826	199351

Priority Applications (No Type Date): DE 3728454 A 19870826

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3728454	A		11		
DE 3728454	C2		9	B25C-001/04	

... has built in electric motor and compressor for lightness and ease of carrying

...Abstract (Basic): Compressed air impact hammer for driving nails or staples, powered by an electric motor (4) operating a piston housed in a cylinder, to drive an impact blade or bolt. The motor (4) and the compressor are housed in one casing (2). Alternatively, they could be separate and joined by a...

...A second store chamber connected to the first one (56) is used to supply the compressor (30,32...)

...Abstract (Equivalent): Motor driven hand-held hammer, in which a compressor (30, 32), which is driven by an electric motor (4), exerts a hammer action on a bolt. The pressure medium, which is used by the compressor , is stored in chambers (56, 74) in the main housing (2 ...

...USE/ADVANTAGE - Hand power tools used to drive in nails, staples etc. No separate compressed air supply is required. High...

...Title Terms: COMPRESSOR ;

International Patent Class (Main): B25C-001/04

Set	Items	Description
S1	56964	COMBUST?() (ENGINE? OR POWER? OR CHAMBER?) OR (SPARKPLUG? OR SPARK() PLUG? OR IGNIT?()) (ENGINE? OR POWER?)
S2	109369	(TOOL? OR GUN OR GUNS OR APPARAT? OR DEVIC? OR APPLIANC? OR EQUIPMENT? OR DRIVER?) (3N) (NAIL? OR BOLT? OR TACK? OR PNEUMA-T? OR POWER? OR HAMMER? OR PERCUSS? OR IMPACT? OR STAPL?)
S3	92105	(TOOL? OR GUN OR GUNS OR APPARAT? OR DEVIC? OR APPLIANC? OR EQUIPMENT? OR DRIVER?) (3N) (JACKHAMMER? OR PISTON? OR AIR OR - FASTENER? OR SCREW? OR BRAD? OR RIVET? OR STRIKE? OR PIN OR P- INS)
S4	1347	NAILGUN? OR STAPLEGUN? OR AIRGUN? OR AIRTOOL? OR (PORTABLE OR HANDHELD OR HAND() HELD) () (GUN OR GUNS OR TOOL?) OR (BRAD? - OR TACK?) () NAILER?
S5	51612	COMPRESSOR? OR COMPRESSER? OR PRECOMPRESS? OR PRE() COMPRES-S? OR COMPRESS?() (APPARAT? OR DEVIC? OR MEANS? OR APPLIANC? OR IMPLEMENT? OR INSTRUMENT? OR POWER?)
S6	164728	(ELECTRIC? OR ELECTRONIC? OR ELECTRICAL?) (2N) (POWER? OR GE-NERAT? OR OUTLET? OR SOURC? OR CELL? OR DRIVE?)
S7	220926	BATTERY? OR BATTERIE? OR CAPACITOR? OR CAPACITER? OR (FUEL? OR DRY OR POWER?) () CELL? OR POWER() (SOURCE? OR OUTLET? OR GE-NERAT?)
S8	310666	PISTON? OR DISPLAC?
S9	1221035	ONBOARD? OR ON() BOARD? OR INTEGRA? OR ALL(2W) ONE OR INTERN- AL? OR COMBINED OR COMBINATION
S10	854841	AIR OR OXIDAT? OR FUEL? OR PROPAN? OR GAS OR GASES OR GASS- ES
S11	745018	STORAGE? OR STORING? OR RESERVOIR? OR CHAMBER? OR RECEPTAC? OR TANK?
S12	526856	HOUSING? OR CASING? OR ASSEMBLY?
S13	13962	IC=(B25C? OR F02B? OR B27F? OR B21J? OR F01B? OR B25D?)
S14	5673	S2:S4 AND S5 AND S6:S7
S15	1260	S14 AND S1
S16	265	S15 AND S13
S17	319	S15 AND S9(10N) S5
S18	88	S16 AND S17
S19	88	S18 AND (S8 OR S10:S12)
S20	22	S16:S17 AND S1(10N) S2:S4 AND S2:S4(10N) S6:S7 AND S2:S4(10N-) S5
S21	105	S18:S20
S22	105	IDPAT (sorted in duplicate/non-duplicate order)
? show files		
File 348:EUROPEAN PATENTS 1978-2005/Mar W04 (c) 2005 European Patent Office		
File 349:PCT FULLTEXT 1979-2005/UB=20050331, UT=20050324 (c) 2005 WIPO/Univentio		
?		

Set	Items	Description
S1	56964	COMBUST?() (ENGINE? OR POWER? OR CHAMBER?) OR (SPARKPLUG? OR SPARK() PLUG? OR IGNIT?()) (ENGINE? OR POWER?)
S2	109369	(TOOL? OR GUN OR GUNS OR APPARAT? OR DEVIC? OR APPLIANC? OR EQUIPMENT? OR DRIVER?) (3N) (NAIL? OR BOLT? OR TACK? OR PNEUMA-T? OR POWER? OR HAMMER? OR PERCUSS? OR IMPACT? OR STAPL?)
S3	92105	(TOOL? OR GUN OR GUNS OR APPARAT? OR DEVIC? OR APPLIANC? OR EQUIPMENT? OR DRIVER?) (3N) (JACKHAMMER? OR PISTON? OR AIR OR - FASTENER? OR SCREW? OR BRAD? OR RIVET? OR STRIKE? OR PIN OR P- INS)
S4	1347	NAILGUN? OR STAPLEGUN? OR AIRGUN? OR AIRTOOL? OR (PORTABLE OR HANDHELD OR HAND()HELD) () (GUN OR GUNS OR TOOL?) OR (BRAD? - OR TACK?) () NAILER?
S5	51612	COMPRESSOR? OR COMPRESSER? OR PRECOMPRESS? OR PRE()COMPRES-S? OR COMPRESS?() (APPARAT? OR DEVIC? OR MEANS? OR APPLIANC? OR IMPLEMENT? OR INSTRUMENT? OR POWER?)
S6	164728	(ELECTRIC? OR ELECTRONIC? OR ELECTRICAL?) (2N) (POWER? OR GE-NERAT? OR OUTLET? OR SOURC? OR CELL? OR DRIVE?)
S7	220926	BATTERY? OR BATTERIE? OR CAPACITOR? OR CAPACITER? OR (FUEL? OR DRY OR POWER?) ()CELL? OR POWER() (SOURCE? OR OUTLET? OR GE-NERAT?)
S8	310666	PISTON? OR DISPLAC?
S9	1221035	ONBOARD? OR ON()BOARD? OR INTEGRA? OR ALL(2W)ONE OR INTERN-AL? OR COMBINED OR COMBINATION
S10	854841	AIR OR OXIDAT? OR FUEL? OR PROPAN? OR GAS OR GASES OR GASS-ES
S11	745018	STORAGE? OR STORING? OR RESERVOIR? OR CHAMBER? OR RECEPTAC? OR TANK?
S12	526856	HOUSING? OR CASING? OR ASSEMBLY?
S13	13962	IC=(B25C? OR F02B? OR B27F? OR B21J? OR F01B? OR B25D?)
S14	5673	S2:S4 AND S5 AND S6:S7
S15	1260	S14 AND S1
S16	265	S15 AND S13
S17	319	S15 AND S9(10N)S5
S18	88	S16 AND S17
S19	88	S18 AND (S8 OR S10:S12)
S20	22	S16:S17 AND S1(10N)S2:S4 AND S2:S4(10N)S6:S7 AND S2:S4(10N-)S5
S21	105	S18:S20
S22	105	IDPAT (sorted in duplicate/non-duplicate order)
S23	35	S1(10N)S2:S4 AND S2:S4(10N)S6:S7 AND S2:S4(10N)S5
S24	13	S23 NOT S20
S25	13	IDPAT (sorted in duplicate/non-duplicate order)
	?	

supplemented
extended
search

Set	Items	Description
S1	154103	COMBUST?() (ENGINE? OR POWER? OR CHAMBER?) OR (SPARKPLUG? OR SPARK() PLUG? OR IGNIT?()) (ENGINE? OR POWER?)
S2	260151	(TOOL? OR GUN OR GUNS OR APPARAT? OR DEVIC? OR APPLIANC? OR EQUIPMENT? OR DRIVER?) (3N) (NAIL? OR BOLT? OR TACK? OR PNEUMA-T? OR POWER? OR HAMMER? OR PERCUSS? OR IMPACT? OR STAPL?)
S3	61985	(TOOL? OR GUN OR GUNS OR APPARAT? OR DEVIC? OR APPLIANC? OR EQUIPMENT? OR DRIVER?) (3N) (JACKHAMMER? OR PISTON? OR AIR OR - FASTENER? OR SCREW? OR BRAD? OR RIVET? OR STRIKE? OR PIN OR P- INS)
S4	1327	NAILGUN? OR STAPLEGUN? OR AIRGUN? OR AIRTOOL? OR (PORTABLE OR HANDHELD OR HAND()HELD) () (GUN OR GUNS OR TOOL?) OR (BRAD? - OR TACK?) () NAILER?
S5	67487	COMPRESSOR? OR COMPRESSER? OR PRECOMPRESS? OR PRE() COMPRES-S? OR COMPRESS?() (APPARAT? OR DEVIC? OR MEANS? OR APPLIANC? OR IMPLEMENT? OR INSTRUMENT? OR POWER?)
S6	701786	(ELECTRIC? OR ELECTRONIC? OR ELECTRICAL?) (2N) (POWER? OR GE-NERAT? OR OUTLET? OR SOURC? OR CELL? OR DRIVE?)
S7	614021	BATTERY? OR BATTERIE? OR CAPACITOR? OR CAPACITER? OR (FUEL? OR DRY OR POWER?) () CELL? OR POWER() (SOURCE? OR OUTLET? OR GE-NERAT?)
S8	499503	PISTON? OR DISPLAC?
S9	5066334	ONBOARD? OR ON()BOARD? OR INTEGRA? OR ALL(2W)ONE OR INTERN-AL? OR COMBINED OR COMBINATION OR SELFCONTAIN? OR SELF() CONTA-IN?
S10	4938297	AIR OR OXIDAT? OR FUEL? OR PROPAN? OR GAS OR GASES OR GASS-ES
S11	1677185	STORAGE? OR STORING? OR RESERVOIR? OR CHAMBER? OR RECEPTAC? OR TANK?
S12	697439	HOUSING? OR CASING? OR ASSEMBLY?
S13	1275	S2:S4 AND S5:S7
S14	105	S13 AND S5:S7 (10N) S9
S15	17	S13 AND S2:S4 (10N) S1
S16	8	S14 AND S15
S17	114	S14:S15
S18	103	S17 AND (S8 OR S10:S12)
S19	114	S14:S18
S20	98	S19 AND PY<2003
S21	90	RD (unique items)

? show files

File 2:INSPEC 1969-2005/Mar W4
(c) 2005 Institution of Electrical Engineers

File 6:NTIS 1964-2005/Mar W4
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File 8:Ei Compendex(R) 1970-2005/Mar W4
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File 34:SciSearch(R) Cited Ref Sci 1990-2005/Mar W4
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File 35:Dissertation Abs Online 1861-2005/Mar
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File 50:CAB Abstracts 1972-2005/Feb
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File 65:Inside Conferences 1993-2005/Apr W1
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File 99:Wilson Appl. Sci & Tech Abs 1983-2005/Feb
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File 473:FINANCIAL TIMES ABSTRACTS 1998-2001/APR 02
(c) 2001 THE NEW YORK TIMES
File 474:New York Times Abs 1969-2005/Apr 04
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File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
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?

Set	Items	Description
S1	62786	COMBUST?() (ENGINE? OR POWER? OR CHAMBER?) OR (SPARKPLUG? OR SPARK() PLUG? OR IGNIT?()) (ENGINE? OR POWER?)
S2	625933	(TOOL? OR GUN OR GUNS OR APPARAT? OR DEVIC? OR APPLIANC? OR EQUIPMENT? OR DRIVER?) (3N) (NAIL? OR BOLT? OR TACK? OR PNEUMA-T? OR POWER? OR HAMMER? OR PERCUSS? OR IMPACT? OR STAPL?)
S3	200420	(TOOL? OR GUN OR GUNS OR APPARAT? OR DEVIC? OR APPLIANC? OR EQUIPMENT? OR DRIVER?) (3N) (JACKHAMMER? OR PISTON? OR AIR OR -FASTENER? OR SCREW? OR BRAD? OR RIVET? OR STRIKE? OR PIN OR P-INS)
S4	6671	NAILGUN? OR STAPLEGUN? OR AIRGUN? OR AIRTOOL? OR (PORTABLE OR HANDHELD OR HAND()HELD) () (GUN OR GUNS OR TOOL?) OR (BRAD? -OR TACK?) () NAILER?
S5	128897	COMPRESSOR? OR COMPRESSER? OR PRECOMPRESS? OR PRE() COMPRES-S? OR COMPRESS?() (APPARAT? OR DEVIC? OR MEANS? OR APPLIANC? OR IMPLEMENT? OR INSTRUMENT? OR POWER?)
S6	1383407	(ELECTRIC? OR ELECTRONIC? OR ELECTRICAL?) (2N) (POWER? OR GE-NERAT? OR OUTLET? OR SOURC? OR CELL? OR DRIVE?)
S7	1588343	BATTERY? OR BATTERIE? OR CAPACITOR? OR CAPACITER? OR (FUEL? OR DRY OR POWER?) () CELL? OR POWER() (SOURCE? OR OUTLET? OR GE-NERAT?)
S8	382876	PISTON? OR DISPLAC?
S9	14501830	ONBOARD? OR ON()BOARD? OR INTEGRA? OR ALL(2W)ONE OR INTERN-AL? OR COMBINED OR COMBINATION OR SELFCONTAIN? OR SELF() CONTA-IN?
S10	11104730	AIR OR OXIDAT? OR FUEL? OR PROPAN? OR GAS OR GASES OR GASS-ES
S11	4328187	STORAGE? OR STORING? OR RESERVOIR? OR CHAMBER? OR RECEPTAC? OR TANK?
S12	3292917	HOUSING? OR CASING? OR ASSEMBLY?
S13	6578	S2:S4 AND S5 AND S6:S7
S14	906	S13 AND S2:S4 (10N) S5 AND S2:S4 (10N) S6:S7
S15	326	S13 AND S9 (5N) S5
S16	23	S14 AND S15
S17	1209	S14:S15
S18	3	S17 AND S1 (10N) S2:S4
S19	26	S16 OR S18
S20	26	S19 AND (S8 OR S10:S12)
S21	26	S19:S20
S22	26	S16 OR S18:S21
S23	20	S22 AND PY<2002
S24	3	(PORTERCABLE? OR PORTER() CABLE) AND S9 (5N) S5
S25	20	S22 AND PY<2003
S26	22	S23:S25

? show files

File	9:Business & Industry(R) Jul/1994-2005/Mar 31 (c) 2005 The Gale Group
File	16:Gale Group PROMT(R) 1990-2005/Apr 05 (c) 2005 The Gale Group
File	20:Dialog Global Reporter 1997-2005/Apr 05 (c) 2005 The Dialog Corp.
File	47:Gale Group Magazine DB(TM) 1959-2005/Apr 05 (c) 2005 The Gale group
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File	141:Readers Guide 1983-2005/Dec (c) 2005 The HW Wilson Co
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24/3,K/1 (Item 1 from file: 20)
DIALOG(R) File 20:Dialog Global Reporter
(c) 2005 The Dialog Corp. All rts. reserv.

28687397 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Q1 2003 Pentair, Inc. Earnings Conference Call - Final - Part 1
FAIR DISCLOSURE WIRE

April 01, 2003

JOURNAL CODE: WFDW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 4586

... during the quarter. For example, (inaudible) at the home centers remained strong with nail-guns / compressor combination kits the best sellers. Sell through of combo kits is expected to continue brisk as...

...Pressure washer business is off to a solid start this year. The relaunch of the Porter Cable brand continues via the new smooth performance campaign. In late February we unveiled new web sites for Porter Cable and Delta and activity has been brisk. The highlight of the first quarter for the...

LATE DATE INCLUDED TO SHOW REPRESENTATIVE OF RESULTS

Set	Items	Description
S1	489	AU=(WOLF I? OR WOLF, I? OR ROSENBAUM U? OR ROSENBAUM, U? OR SCHIESTL U? OR SCHIESTL, U? OR GSCHWEND H? OR GSCHWEND, H? OR HANNOSCHOCK N? OR HANNOSCHOCK, N? OR HANNOSCHOECK N? OR HANNO-SCHOECK, N?)
S2	0	IWAN(2N)WOLF OR ULRICH(2N)(ROSENBAUM OR SCHIESTL) OR HANS(-2N)GSCHWEND OR (NIKOLAUS OR NIKLAUS)(2N)(HANNOSCHOCK OR HANNO-SCHOECK)
S3	260127	(TOOL? OR GUN OR GUNS OR APPARAT? OR DEVIC? OR APPLIANC? OR EQUIPMENT? OR DRIVER?) (3N) (NAIL? OR BOLT? OR TACK? OR PNEUMA-T? OR POWER? OR HAMMER? OR PERCUSS? OR IMPACT? OR STAPL?)
S4	58374	(TOOL? OR GUN OR GUNS OR APPARAT? OR DEVIC? OR APPLIANC? OR EQUIPMENT? OR DRIVER?) (3N) (JACKHAMMER? OR PISTON? OR AIR OR -FASTENER? OR SCREW? OR BRAD? OR RIVET? OR STRIKE?)
S5	1325	NAILGUN? OR STAPLEGUN? OR AIRGUN? OR AIRTOOL? OR (PORTABLE OR HANDHELD OR HAND()HELD) () (GUN OR GUNS OR TOOL?)
S6	2	S1:S2 AND S3:S5
S7	2	RD (unique items)
? show files		
File	2:INSPEC 1969-2005/Mar W4	
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	(c) 2005 NTIS, Intl Cpyrgh All Rights Res	
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File	95:TEME-Technology & Management 1989-2005/Feb W3	
	(c) 2005 FIZ TECHNIK	
File	99:Wilson Appl. Sci & Tech Abs 1983-2005/Feb	
	(c) 2005 The HW Wilson Co.	
File	111:TGG Natl.Newspaper Index(SM) 1979-2005/Apr 01	
	(c) 2005 The Gale Group	
File	118:ICONDA-Intl Construction 1976-2005/Mar	
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File	473:FINANCIAL TIMES ABSTRACTS 1998-2001/APR 02	
	(c) 2001 THE NEW YORK TIMES	
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File	481:DELPHES Eur Bus 95-2005/Mar W4	
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File	583:Gale Group Globalbase(TM) 1986-2002/Dec 13	
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7/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

02734850 INSPEC Abstract Number: C86048229
Title: Simulating the communication in distributed systems
Author(s): Rosenbaum, U. ; Zorn, S.
Author Affiliation: Siemens AG., Munich, West Germany
Conference Title: Modeling and Simulation. Proceedings of the Sixteenth Annual Pittsburgh Conference p.1073-7
Editor(s): Hanham, R.; Vogt, W.G.; Mickle, M.H.
Publisher: ISA, Research Triangle Park, NC, USA
Publication Date: 1985 Country of Publication: USA 5 vol. 1846 pp.
Conference Sponsor: Univ. Pittsburgh; IEEE; ISA; et al
Conference Date: 25-26 April 1985 Conference Location: Pittsburgh, PA, USA
Language: English
Subfile: C

Author(s): Rosenbaum, U. ; Zorn, S.
...Abstract: and now propose to combine the simulation methods for both of them, to create one **powerful tool**, that supports the design of great and small communication systems for distributed systems.

7/3,K/2 (Item 1 from file: 50)
DIALOG(R)File 50:CAB Abstracts
(c) 2005 CAB International. All rts. reserv.

0005791758 CAB Accession Number: 19870341378
Seeding directly through plastic mulch.
Hezroni, A.; Alper, Y.; Antler, A.; Wolf, I.
Volcani Center, Bet Dagan, Israel.
Acta Horticulturae (187): p.93-98
Publication Year: 1986
ISSN: 0567-7572
Language: English Record Type: Abstract
Document Type: Conference paper; Journal article

... then compact the soil over them. The technique operates in conjunction with the mechanical or **pneumatic metering devices** of conventional seeders. In trials with melon seeds the plant emergence rate was 95%.

Hezroni, A.; Alper, Y.; Antler, A.; Wolf, I.

Set Items Description
S1 11 AU=(WOLF I? OR WOLF, I? OR ROSENBAUM U? OR ROSENBAUM, U? OR SCHIESTL U? OR SCHIESTL, U? OR GSCHWEND H? OR GSCHWEND, H? OR HANNOSCHOCK N? OR HANNOSCHOCK, N? OR HANNOSCHOECK N? OR HANNO-SCHOECK, N?)
S2 1 IWAN(2N)WOLF OR ULRICH(2N) (ROSENBAUM OR SCHIESTL) OR HANS(-2N)GSCHWEND OR (NIKOLAUS OR NIKLAUS) (2N) (HANNOSCHOCK OR HANNO-SCHOECK)
S3 12 S1:S2
S4 10 RD (unique items)
? show files
File 9:Business & Industry(R) Jul/1994-2005/Mar 31
 (c) 2005 The Gale Group
File 16:Gale Group PROMT(R) 1990-2005/Apr 04
 (c) 2005 The Gale Group
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File 141:Readers Guide 1983-2005/Dec
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4/3,K/8 (Item 6 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2005 ProQuest. All rts. reserv.

01997180 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Rudolf Scharping: The best buy in Germany
Dederichs, Mario R
World Policy Journal (GWPJ), v11 n2, p57-63, p.7
Summer 1994
ISSN: 0740-2775 JOURNAL CODE: GWPJ
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3852 LENGTH: Long (31+ col inches)

TEXT:

... die SPD und die Macht (Reinbek, 1994).
3. A friendly first biography was provided by Ulrich Rosenbaum,
Rudolf Scharping: Eine Biographie (Munich, 1993).
4. Leif and Raschke, Rudolf Scharping, die SPD und...

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	94	rosenbaum-u\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:13
L2	47	schiestl-u\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:13
L3	141	gschwend-h\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:13
L4	6	hannoschoeck-n\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:14
L5	4	hannoschock-n\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:14
L6	192	wolf-i\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:14
L7	358	1 2 3 4 5 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/04/04 13:14

US 20050001002	A1	US-PGPUB	US 4640452	A	USPAT
US 20050000999	A1	US-PGPUB	US 4530454	A	USPAT
US 20040251296	A1	US-PGPUB	JP 2004322308	A	JPO
US 20040232191	A1	US-PGPUB	JP 2004034288	A	JPO
US 20040229181	A1	US-PGPUB	JP 2003341761	A	JPO
US 20040227300	A1	US-PGPUB	JP 2002088381	A	JPO
US 20040226963	A1	US-PGPUB	JP 2001191258	A	JPO
US 20040211809	A1	US-PGPUB	JP 2001191257	A	JPO
US 20040211808	A1	US-PGPUB	JP 2001157970	A	JPO
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US 20040187810	A1	US-PGPUB	JP 10328917	A	JPO
US 20040182337	A1	US-PGPUB	JP 10088810	A	JPO
US 20040182331	A1	US-PGPUB	JP 10068407	A	JPO
US 20040134961	A1	US-PGPUB	JP 07186067	A	JPO
US 20040134960	A1	US-PGPUB	JP 04300171	A	JPO
US 20040112309	A1	US-PGPUB	JP 04261783	A	JPO
US 20040108353	A1	US-PGPUB	DE 10326474	A1	EPO
US 20040079302	A1	US-PGPUB	FR 2854587	A1	EPO
US 20040056063	A1	US-PGPUB	FR 2854142	A1	EPO
US 20030218042	A1	US-PGPUB	EP 1470896	A2	EPO
US 20030218027	A1	US-PGPUB	FR 2851739	A1	EPO
US 20030147722	A1	US-PGPUB	DE 10319647	B3	EPO
US 20030116605	A1	US-PGPUB	FR 2851188	A1	EPO
US 20030097832	A1	US-PGPUB	DE 10302027	A1	EPO
US 20030029898	A1	US-PGPUB	DE 10259778	A1	EPO
US 20020179636	A1	US-PGPUB	DE 10259775	A1	EPO
US 20020050505	A1	US-PGPUB	FR 2848895	A1	EPO
US 20020020374	A1	US-PGPUB	FR 2848894	A1	EPO
US 20020005010	A1	US-PGPUB	FR 2848893	A1	EPO
US 20010011535	A1	US-PGPUB	FR 2848892	A1	EPO
US 20010006046	A1	US-PGPUB	FR 2848891	A1	EPO
US 20010006045	A1	US-PGPUB	FR 2847192	A1	EPO
US 6830017	B2	USPAT	DE 10244250	A1	EPO
US 6800104	B2	USPAT	DE 10236481	A1	EPO
US 6783049	B2	USPAT	DE 10232035	A1	EPO
US 6779958	B2	USPAT	DE 10211366	A1	EPO
US 6722548	B2	USPAT	FR 2833199	A1	EPO
US 6681955	B2	USPAT	FR 2832664	A1	EPO
US 6666366	B2	USPAT	FR 2827537	A1	EPO
US 6520127	B1	USPAT	FR 2811928	A1	EPO
US 6505767	B2	USPAT	DE 19962695	A1	EPO
US 6491015	B1	USPAT	DE 19962598	A1	EPO
US 6460507	B2	USPAT	DE 19962711	A1	EPO
US 6443118	B2	USPAT	DE 19962697	C1	EPO
US 6425354	B1	USPAT	DE 19962696	C1	EPO
US 6419168	B1	USPAT	DE 19962584	C1	EPO
US 6044972	A	USPAT	DE 19957109	A1	EPO
US 5899647	A	USPAT	DE 19950352	A1	EPO
US 5895179	A	USPAT	DE 19950342	A1	EPO
US 5836405	A	USPAT	EP 1093887	A2	EPO
US 5829147	A	USPAT	EP 1093886	A2	EPO
US 5642848	A	USPAT	DE 19921521	C1	EPO
US 5213247	A	USPAT	EP 974427	A2	EPO
US 5181495	A	USPAT	EP 833021	A1	EPO
US 4840527	A	USPAT	EP 808696	A1	EPO

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DE 19542506 A1	EPO	DE 19950342 A	DERWENT
DE 4340570 A1	EPO	EP 1093887 A	DERWENT
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DE 4243616 A1	EPO	EP 878261 A	DERWENT
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DE 4029279 A1	EPO	DE 4340570 A	DERWENT
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DE 10326473 B	DERWENT	DE 4243616 A	DERWENT
FR 2854587 A	DERWENT	DE 4243614 A	DERWENT
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US 20040211793 A	DERWENT	DE 4032202 A	DERWENT
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FR 2851188 A	DERWENT	EP 273006 A	DERWENT
DE 10319647 B	DERWENT	DE 3427614 A	DERWENT
DE 10302027 A	DERWENT		
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FR 2848895 A	DERWENT		
FR 2848894 A	DERWENT		
FR 2848893 A	DERWENT		
FR 2848891 A	DERWENT		
FR 2848892 A	DERWENT		
FR 2847192 A	DERWENT		
DE 10244250 A	DERWENT		
US 20040056063 A	DERWENT		
DE 10236481 A	DERWENT		
DE 10232035 A	DERWENT		
DE 10222338 A	DERWENT		
JP 2003341761 A	DERWENT		
US 20030218042 A	DERWENT		
US 20030218027 A	DERWENT		
DE 10211366 A	DERWENT		
US 20030147722 A	DERWENT		
DE 10161355 A	DERWENT		
DE 10161354 A	DERWENT		
DE 10160575 C	DERWENT		
US 20030097832 A	DERWENT		
FR 2827537 A	DERWENT		
DE 10126489 A	DERWENT		
FR 2811928 A	DERWENT		
DE 10034016 C	DERWENT		
DE 19962598 A	DERWENT		
DE 19962695 A	DERWENT		
DE 19962711 A	DERWENT		
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US 6460507 B	DERWENT		
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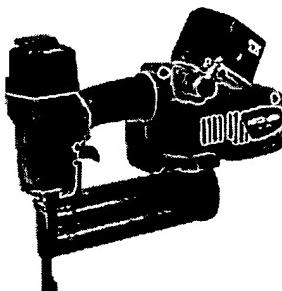
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Features:

- Package includes 12-volt high capacity battery, charger, 1/4-inch male coupler, 1,000 brads, and case
- Exclusive Twin Power Source Technology (TPS) allows air or 12-volt battery power operation
- Fires standard 18-gauge brad nails ranging from 3/4- to 2 inches
- Battery powers an electronically controlled onboard compressor
- High and normal settings for hard or soft wood applications
 - ▶ [See more technical details](#)
 - ▶ [View the product manual \[Download: PDF, 324KB\]](#)

Amazon.com Sales Rank: #5,087 in Tools & Hardware

Note: Giftwrapping not available for this item.

Shipping: Currently, item can be shipped only within the U.S.

Shipping weight: 17.12 pounds.

ASIN: B00005QEYU

Item model number: BN200V12

Date first available at Amazon: October 15, 2001

Average Customer Review:  Based on 34 reviews. [Write a review](#).

Accessories for Porter-Cable BN200V12 Cordless 18-

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Gauge Brad Nailer Kit

DESCRIPTION[B & C Eagle B18-2 2" Brad Nail \(5000-Pack\)](#)**Our Price**

\$21.99

\$1.00

[B & C Eagle B18-114 1-1/4" Brad Nail \(5000-Pack\)](#)**Our Price**

\$15.99

\$1.00

[B & C Eagle B18-112 1-1/2" Brad Nail \(5000-Pack\)](#)**Our Price**

\$12.99

\$5.00

[B & C Eagle B18-34 3/4" Brad Nail \(5000-Pack\)](#)**Our Price**

\$12.99

\$1.00

[B & C Eagle B18-1 1" Brad Nail \(5000-Pack\)](#)**Our Price**

\$13.99

\$1.00

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- [Campbell Hausfeld CHN10299 2" Brad Nailer \(18-Gauge\)](#) Campbell Hausfeld ([Rate it](#))
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- **1 person recommended** [Crown Molding & Trim Installation Kit \(Book, 7" and 18" True Angle Tool\)](#) in addition to Porter-Cable BN200V12 Cordless 18-Gauge Brad Nailer Kit

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Porter-Cable BN200V12 Cordless 18-Gauge Brad Nailer Kit

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Product Description

Amazon.com Review

Imagine combining the power of a pneumatic brad nailer with the convenience of a battery-powered unit. The Porter-Cable BN200V12 cordless 18-gauge brad nailer kit offers just that kind of choice. Connect it to an external air compressor, and you have a powerful pneumatic nailer. Or attach the 12-volt battery and let the onboard compressor do the job. Either way, you'll get a reliable brad nailer capable of firing standard 3/4- to 2-inch, 18-gauge brad nails into virtually any wood surface cleanly and accurately. Versatility like this is obviously a huge boon to remodelers who'd like to get in and out of a job without having to haul out a compressor and dirty hoses. (As you would expect, the onboard compressor makes this nailer heavier and somewhat less maneuverable than standard models.) Tool-free depth adjustments are quick and precise. A quick-release nosepiece allows for fast jam clearing, and a removable rubber nose cushion prevents marring on finished surfaces. Built-in auto shutoff, automatic pressure release, and self-diagnostic features provide added convenience. --Carl Thress

Product Description

Porter-Cable's BN200V12 18-gauge brad nailer kit incorporates the company's exclusive Twin Power Source (TPS) technology, which allows the operation of the unit either with the standard 12-volt battery or with a compressor. Since it uses standard 18-gauge brad nails--ranging from 3/4 to 2 inches long--and comes with a standard 1/4-inch male quick plug, this unit operates exactly like a standard 18-gauge brad nailer. But slide in the standard 12-volt battery, pick your required setting (either high or low, depending on what type of wood you are firing into), and you have a cordless 2-inch brad nailer. The battery powers an electronically controlled onboard compressor that utilizes patent-pending Energy Management Control Circuit (EMC2) technology. This system provides more than enough power to sink a 2-inch 18-gauge brad nail into oak.

The brad nailer is packed with other features, too. A one-hand quick-release nosepiece offers fast clearing of jams. Tool-free depth adjustment dials in an exact setting of nail head. The removable rubber nose protects delicate work. An adjustable tool-free exhaust port muffles and directs the exhaust where you want it. Lastly, the hard-coated anodized side-load magazine features a visual reload indicator that makes it easy to see if the magazine's empty. Package includes nailer, high-capacity 12-volt battery pack, advanced diagnostic charger, 1/4-inch male quick plug coupler, carrying case, box of 1,000 brads, oil, Allen wrenches, and operating manual.

Product Description 12 volt, 2 Amp/hour batter, Uses 18 Ga. brads from 3/4" to 2", 1/4" male valve for use with auxiliary air supply, Includes charger, carrying case, 1000 brads, oil and Allen wrenches, Weighs 7 lbs.

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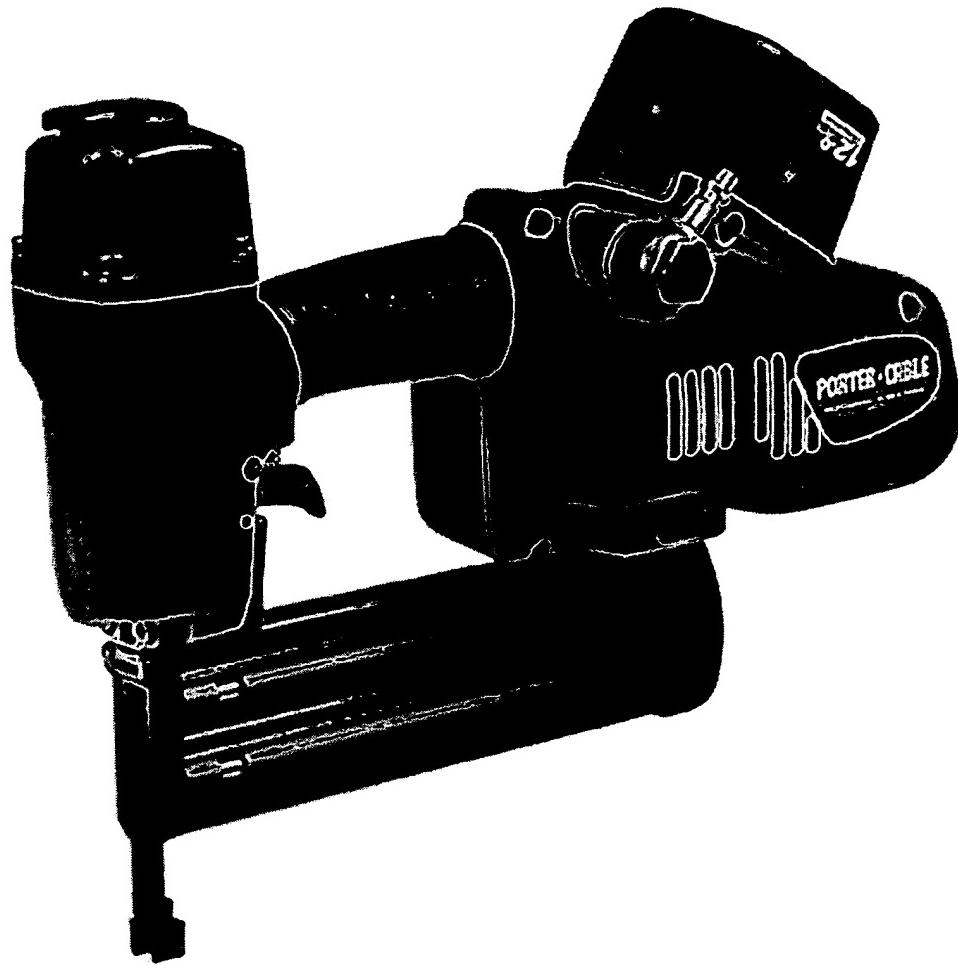
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